

US EPA ARCHIVE DOCUMENT



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May 13, 2009

Mr. Richard Kinch
U.S. Environmental Protection Agency (5306P)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

**Re: Response to U.S. EPA 104(e) Information Request to
Indianapolis Power & Light Company ("IPL") – Petersburg
Generating Station**

Dear Mr. Kinch:

This letter and attachments provides the response of the Indianapolis Power & Light Company ("IPL") to the above-referenced information request. The request for information was submitted to Indianapolis Power & Light Company's Petersburg Generating Station.

IPL received the request from U.S. EPA on or about May 1, 2009, and therefore this response is timely submitted. Note that the timeframe to respond is relatively short, and IPL reserves its right to amend this response, if necessary. Note also that much of the requested information is in IDEM and/or EPA's possession, and although IPL has attempted to fully respond, EPA may wish to review EPA and IDEM files. Please note that IPL does not intend to produce any documents that are subject to the attorney-client or attorney work product privileges or that are irrelevant and this response should not be construed as a waiver of any privileges or immunities. Finally, EPA's definition of "management unit" as "each surface impoundment or similar diked or bermed management unit(s) or management units designated as landfills which receive liquid-borne material for the storage or disposal of residuals or by-products from the combustion of coal, including, but not limited to, fly ash, bottom ash, boiler slag, or flue gas emission control residuals" is extremely broad and while IPL believes its response is complete and consistent with the scope of the request, it is not providing information relating to *de minimis* liquid-bearing units such as storm water run-off basins, ditches, etc.

Subject to these conditions, IPL hereby responds to the above-referenced request as follows:

1. *Relative to the National Inventory of Dams criteria for High, Significant, Low, or Less-than-Low, please provide the potential hazard rating for each management unit and indicate who established the rating, what the basis of the rating is, and what federal or state agency regulates the unit(s). If the unit(s) does not have a rating, please note that fact.*

Response No. 1. None of the Petersburg Generating Station management units have been rated by any Federal or State agency.

2. *What year was each management unit commissioned and expanded:*

Response No. 2.

Each management unit at the Petersburg Generating Station was commissioned and/or expanded as follows:

- Pond A (Active-Large Pond):
 - Year Commissioned – 1967, Built from elevation 415' to 430'
 - Year Expanded- 1978, 5 foot added to initial elevation total height 435'
- Pond A (Discharge-Small):
 - Year Commissioned – 1967, Built from elevation 415 to elevation 430'
 - Year Expanded- 1978, 5 foot added to initial elevation total height 435'
- Pond B (Inactive-West):
 - Year Commissioned- 1986, Constructed with a 22' clay berm from elevation 415' to 437'
 - Year Expanded- 1999, 15' poz-o-tec berm added to initial berm to elevation 452'
- Pond C (Inactive-East):
 - Year Commissioned- 1986, Constructed 22' clay berm from elevation 415' to 437'
 - Year Expanded- 1999, 15' poz-o-tec berm added to initial berm to elevation 452'

3. *What materials are temporarily or permanently contained in the unit? Use the following categories to respond to this question: (1) fly ash; (2) bottom ash; (3) boiler slag; (4) flue gas emission control residuals; (5) other. If the management unit contains more than one type of material, please identify all that apply. Also, if you identify "other," please specify the other types of materials that are temporarily or permanently contained in the unit(s).*

Response No. 3.

The materials that are temporarily or permanently contained in the Petersburg Generating Station managements units are as follows:

- 1) Bottom ash - yes
- 2) Fly ash – yes
- 3) Boiler slag - yes
- 4) Flue gas emission control residuals – yes; and

- 5) Other; per the facility NPDES permit includes:
- recirculating cooling tower blowdown,
 - low volume waste,
 - yard drains,
 - oil-water separator wastewater,
 - air pre-heater wash,
 - boiler, condenser, air pre-heater, and cooling cleaning wastes,
 - flue gas desulfurization (FGD) system blowdown,
 - miscellaneous FGD wastewaters,
 - once through noncontact cooling water,
 - screen backwash water,
 - floor drains,
 - storm water run-off,
 - water treatment wastes,
 - tire truck water
 - sanitary wastewater,
 - metal cleaning wastes and,
 - river dredging materials
4. *Was the management unit(s) designed by a Professional Engineer? Is or was the construction of the waste management unit(s) under the supervision of a Professional Engineer? Is inspection and monitoring of the safety of the waste management unit(s) under the supervision of a Professional Engineer?*

Response No. 4.

- The Petersburg Generating Station management units' original designs and modifications were completed through IPL Corporate Engineering who had Professional Engineers on staff.
 - All construction activities since 1967 related to the Petersburg Generating Station management units were inspected under the supervision of an IPL Professional Engineer.
 - Prior to 2008, inspections of the Eagle Valley Generating Station management units were performed by IPL personnel only. Since 2008, the Eagle Valley Generating Station management units were inspected according to the inspection schedule developed by IPL Corporate Environmental and under the supervision of an outside consulting firm (Professional Engineer involved in assessment).
5. *When did the company last assess or evaluate the safety (i.e., structural integrity) of the management unit(s)? Briefly describe the credentials of those conducting the structural integrity assessments/evaluations. Identify actions taken or planned by facility personnel as a result of these assessments or evaluations. If corrective actions were taken, briefly describe the credentials of those performing the corrective actions, whether they were company employees or contractors. If the*

company plans an assessment or evaluation in the future, when is it expected to occur?

Response No. 5.

The Petersburg Generating Station management units were last assessed and evaluated by BT² on June 26, 2008. A copy of this report is attached as Exhibit A.

BT² Credentials are attached hereto as Exhibit B.

The Petersburg Generating Station Management Unit Maintenance Recommendations and actions taken in response are attached hereto as Exhibit C.

IPL has tentatively scheduled another levee inspection in May 14, 2009.

6. *When did the State or a Federal regulatory official last inspect or evaluate the safety (structural integrity) of the management unit(s)? If you are aware of a planned state or federal inspection or evaluation in the future, when is it expected to occur? Please identify the Federal or State regulatory agency or department which conducted or is planning the inspection or evaluation. Please provide a copy of the most recent official inspection report or evaluation.*

Response No. 6. There have been no State or Federal regulatory inspections to date and IPL is not aware of any planned or future regulatory inspections. The Indiana agencies generally responsible for environmental issues include the Indiana Department of Environmental Management and the Indiana Department of Natural Resources.

7. *Have assessments or evaluations, or inspections conducted by State or Federal regulatory officials conducted within the past year recovered a safety issue(s) with the management unit(s), and, if so, describe the actions that have been or are being taken to deal with the issue or issues. Please provide any documentation that you have for these actions.*

Response No. 7. There have been no State or Federal regulatory inspections to date. As such, no violations have been cited.

8. *What is the surface area (acres) and total storage capacity of each of the management units? What is the volume of materials currently stored in each of the management unit(s)? Please provide the date that the volume measurement(s) was taken. Please provide the maximum height of the management unit(s). The basis for determining maximum height is explained later in this Enclosure.*

Response No. 8. Please see responsive information attached hereto as Exhibit D.

9. *Please provide a brief history of known spills or unpermitted releases from the unit within the last ten years, whether or not these were reported to State of*

federal regulatory agencies. For purposes of this question, please include only releases to surface water or to the land (do not include releases to groundwater).

Response No. 9. There have been no breaches of the levee system allowing unpermitted discharges to surface waters of the United States within the last 10 years.

10. Please identify all current legal owner(s) and operator(s) at the facility.

Response No. 10. The Indianapolis Power & Light Company owns and operates the Petersburg Generating Station.

* * *

If you have any questions, please contact Nysa Hogue at (317) 261-5473.

I certify that the information contained in this response to EPA's request for information and the accompanying documents is true, accurate, and complete. As to the identified portions of this response for which I cannot personally verify their accuracy, I certify under penalty of law that this response and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines or imprisonment for knowing violations.



William P. Marsan
Vice President, General Counsel and
Corporate Secretary